

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IT2004/000633

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65H16/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B65H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 009, no. 330 (M-442), 25 December 1985 (1985-12-25) & JP 60 161851 A (FUJI XEROX KK), 23 August 1985 (1985-08-23) abstract	1,7,15
A	US 6 561 453 B1 (SHINGA TAKAHIRO) 13 May 2003 (2003-05-13) column 4, line 14 - line 31; figures	1,7,15
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 05, 30 May 1997 (1997-05-30) & JP 09 002709 A (FUJI ELECTRIC CO LTD), 7 January 1997 (1997-01-07) abstract	1,7,15
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

9 March 2005

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17/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 21, 3 August 2001 (2001-08-03) & JP 2001 117178 A (NORITSU KOKI CO LTD), 27 April 2001 (2001-04-27) abstract -----	
A	US 5 279 472 A (HONGO ET AL) 18 January 1994 (1994-01-18) -----	
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 01, 28 February 1995 (1995-02-28) & JP 06 293451 A (MURATA MACH LTD), 21 October 1994 (1994-10-21) abstract -----	
A	US 2 730 310 A (SCHULTZ WILBERT EDWIN) 10 January 1956 (1956-01-10) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IT2004/000633

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 60161851	A	23-08-1985	JP 1444677 C	08-06-1988
			JP 62056066 B	24-11-1987
US 6561453	B1	13-05-2003	JP 2000289895 A	17-10-2000
			DE 10017787 A1	19-07-2001
JP 09002709	A	07-01-1997	NONE	
JP 2001117178	A	27-04-2001	NONE	
US 5279472	A	18-01-1994	JP 3082347 U	22-08-1991
			JP 3084151 U	27-08-1991
			US 5174518 A	29-12-1992
JP 06293451	A	21-10-1994	JP 2531413 B2	04-09-1996
US 2730310	A	10-01-1956	NONE	